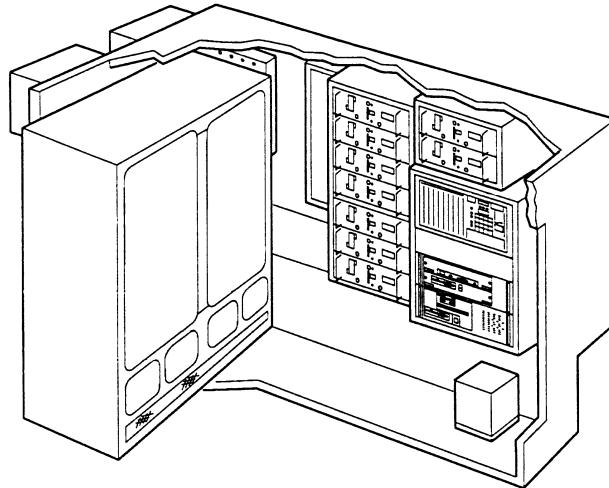


## AN/TTC-47



SYSTEM IDENTIFIERS	
NOMENCLATURE:	Node Center Switch
SSN:	W1630000GCH
LIN:	S24818
NSN:	5805-01-245-9054
AMIM NO:	N/A
EIC:	HDX
FUEL TYPE:	-----

SYSTEM DESCRIPTION
<p>The AN/TTC-47 Node Center Switch (NCS) is a component of the Mobile Subscriber Equipment (MSE) communications network. The system consists of two shelters. The group of shelters contain a switching group (ON-306/TTC-47) and an operations group (OL-413/TTC-47) and make up the MSE packet network. The network supports two packet switches, four local area network (LAN) ports, seven diphase X.25 ports, 15 digital encryption transmission devices and a 64,000 baud digital transmission modem. The system provides digital and analog terminals which interface with commercial telephone systems. Mounting brackets are available for the AN/GRC-224 Down-The-Hill (DTH) radios. Node centers provide communications key switching, traffic control and the access points for the system. Node centers are linked by Line-of-Sight (LOS) radios. Communications are automatically switched and balanced through other node centers as traffic levels exceed a node center's switching capabilities or in the event a node center becomes disabled.</p>

The list below identifies components associated with this weapon/materiel system.

## AN/TTC-47

<u>LIN</u>	<u>NSN</u>	<u>NOMENCLATURE</u>
A23828	4120-00-411-5442	AIR CONDITIONER, FL/WALL A/C
B38070	5820-00-893-1323	BASE SHOCK MOUNT ELECTRICAL, MT-102
G26890	6110-00-985-7574	DISTRIBUTION BOX, J-1077/U
G40744	6115-00-033-1389	GEN ST DSL ENG TM, 10KW 60HZ MTD ON
J56382	6625-00-137-7738	GENERATOR SIGNAL, SG-1054/G
K94880	5830-00-752-5357	INTERCOMMUNICATION STAT
M04268	5895-01-247-0963	MANAGEMENT FACILITY, AN/TSQ-154
M43691	5820-01-145-2458	MULTIPLEXER-COMBINER
M96804	4940-01-247-5729	MAINTENANCE FACILITY, AN/TSM-182
P38314	6130-00-752-2215	POWER SUPPLY
P70292	5805-01-244-4259	OPERATIONS GROUP, OL-413/TTC-47
S01427	5411-00-489-6076	SHELTER NONEXPANDABLE
S47921	4940-01-246-6819	SPARES FAC AN/TSM-183
S65581	6625-01-133-6160	SIGNAL GENERATOR FUNCTION, SG-1171
T45408	5805-01-246-6826	TELEPHONE DIGITAL NON-SECURE VOICE

## SYSTEM VARIANTS

<u>MDS</u>	<u>LIN</u>	<u>NSN</u>
AN/TTC-47	S24818	5805-01-246-7159
AN/TTC-47	S24818	5895-01-309-4653
AN/TTC-47	S24818	5895-01-324-0863

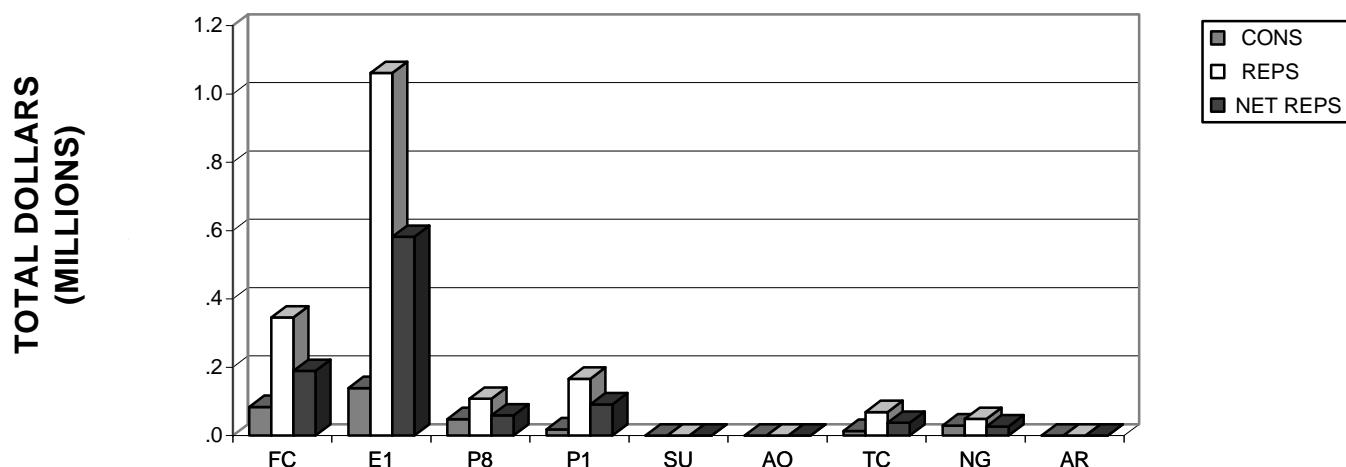
This summary provides an overview of FY 94 Total Army operating and support costs and other information for the weapon system. Average cost per system is displayed so the data can be used in performing analyses and cost studies. Average costs are calculated using the end item's density. NET REPARABLES represent the cost with the Major Subordinate Command (MSC) specific credit rates applied (detailed in Section 1 - Overview).

<p align="center"><b>AN/TTC-47</b>  <b>FY 94 TOTAL ARMY COST SUMMARY</b>  <b>(FY 94 Constant Dollars)</b></p>
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<div>DENSITY</div> <div>NUMBER OF SYSTEMS79</div>	<div>DEPOT END ITEM MAINTENANCE (5.061)</div> <div>TOTAL\$0</div> <div>QUANTITY COMPLETED0</div> <div>AVG COST/END ITEM\$0.00</div>																		
<div>CLASS III-POL (5.05)</div> <div>NOT APPLICABLE</div>	<div>DEPOT SECONDARY ITEM MAINTENANCE</div> <div>TOTAL\$600,960</div> <div>QUANTITY COMPLETED400</div> <div>AVG COST/SECONDARY ITEM\$1,502.40</div>																		
<div>CLASS V-AMMUNITION (2.11)</div> <div>NOT APPLICABLE</div>	<div>INTERMEDIATE MAINTENANCE</div> <table><tr><td></td><td><u>DS/GS</u></td><td><u>CIVILIAN</u></td></tr><tr><td>MIL/CIV LABOR COST</td><td>\$50,162</td><td>\$46,982</td></tr><tr><td>AVG COST/SYSTEM</td><td>\$634.96</td><td>\$594.71</td></tr><tr><td colspan="3"> </td></tr><tr><td>MAINTENANCE MANHOURS</td><td>3,020</td><td>1,548</td></tr><tr><td>MMHs/SYSTEM</td><td>38.23</td><td>19.59</td></tr></table>		<u>DS/GS</u>	<u>CIVILIAN</u>	MIL/CIV LABOR COST	\$50,162	\$46,982	AVG COST/SYSTEM	\$634.96	\$594.71				MAINTENANCE MANHOURS	3,020	1,548	MMHs/SYSTEM	38.23	19.59
	<u>DS/GS</u>	<u>CIVILIAN</u>																	
MIL/CIV LABOR COST	\$50,162	\$46,982																	
AVG COST/SYSTEM	\$634.96	\$594.71																	
MAINTENANCE MANHOURS	3,020	1,548																	
MMHs/SYSTEM	38.23	19.59																	
<div>CLASS IX MATERIEL-PARTS (5.04/5.03)</div> <table><tr><td></td><td>FY 94</td><td>AVG COST</td></tr><tr><td></td><td><u>DOLLARS</u></td><td><u>PER SYSTEM</u></td></tr><tr><td>CONSUMABLES</td><td>\$333,488</td><td>\$4,221.37</td></tr><tr><td>NET REPARABLES</td><td>\$986,084</td><td>\$12,482.08</td></tr><tr><td>NET TOTAL COSTS</td><td>\$1,319,572</td><td>\$16,703.44</td></tr></table>				FY 94	AVG COST		<u>DOLLARS</u>	<u>PER SYSTEM</u>	CONSUMABLES	\$333,488	\$4,221.37	NET REPARABLES	\$986,084	\$12,482.08	NET TOTAL COSTS	\$1,319,572	\$16,703.44		
	FY 94	AVG COST																	
	<u>DOLLARS</u>	<u>PER SYSTEM</u>																	
CONSUMABLES	\$333,488	\$4,221.37																	
NET REPARABLES	\$986,084	\$12,482.08																	
NET TOTAL COSTS	\$1,319,572	\$16,703.44																	

The following graph and table display FY 94 Class IX costs for consumables (CONS), reparable, (REPS), and net reparable (NET REPS) by MACOM. CONS and REPS are the total costs of requisitions recorded in the Logistic Intelligence File (LIF). NET REPS are the cost to the customer in the field and are calculated by applying an MSC-specific credit rate at the NSN level. TOTAL ARMY (TA) costs are the summation of costs across all MACOMs in the table. NET TOTAL COSTS are the sums of the costs of CONS and NET REPS. NUMBER OF SYSTEMS is the density recorded in the Continuing Balance System - Expanded (CBS-X). AVG PER SYSTEM costs are calculated by dividing the costs in NET TOTAL COSTS by the number of systems for each MACOM.

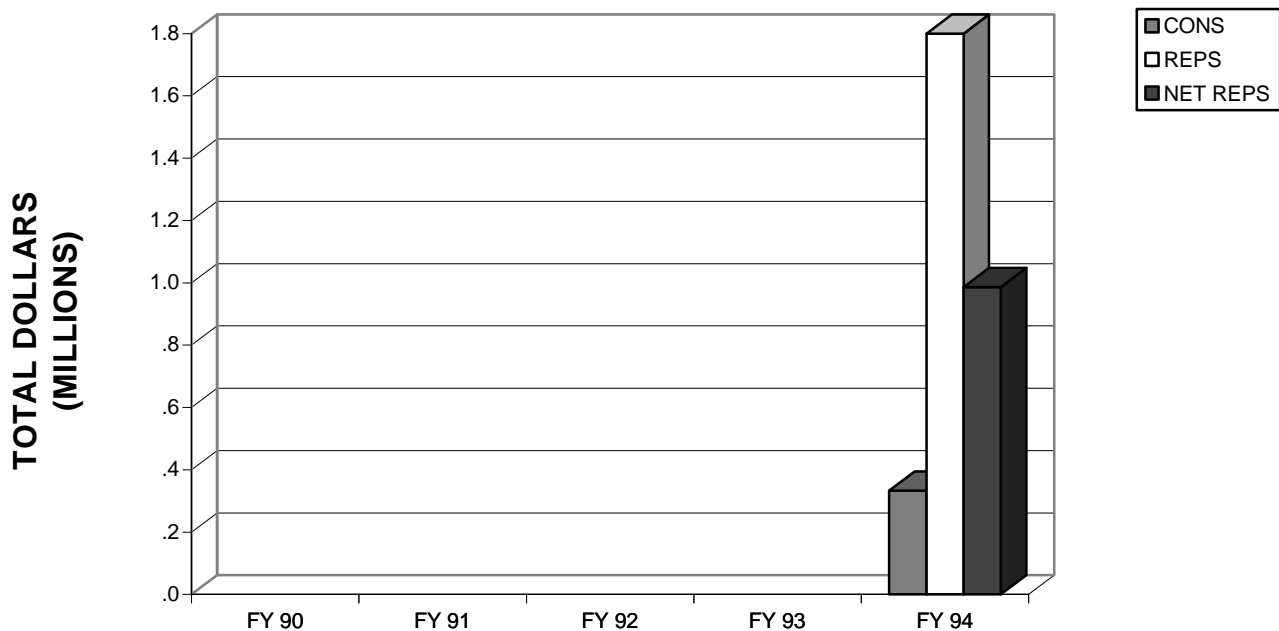
### AN/TTC-47



AN/TTC-47							
FY 94 MACOM CLASS IX COSTS							
MACOM		CONS	REPS	NET REPS	NET TOTAL COSTS	NUMBER OF SYSTEMS	AVG PER SYSTEM
CODE	NAME						
FC	FORSCOM	83,785	345,615	189,394	273,179	23	11,877
E1	USAREUR	139,187	1,061,323	581,607	720,794	18	40,044
P8	EUSA	48,195	107,907	59,131	107,326	6	17,888
P1	USARPAC	18,537	166,655	91,328	109,865	4	27,466
SU	USARSO	0	0	0	0	0	0
AO	USASOC	0	0	0	0	0	0
TC	TRADOC	13,970	68,927	37,770	51,740	4	12,935
NG	ARNG	29,814	49,002	26,854	56,668	24	2,361
AR	USAR	0	0	0	0	0	0
TA	TOTAL ARMY	333,488	1,799,429	986,084	1,319,572	79	16,703

The following graph and table display FY 90-94 Class IX costs for consumables (CONS), reparable (REPS) and net reparable (NET REPS) by Total Army. The Total Army costs are a summation of all the MACOMs displayed on the previous page. CONS and REPS are the total cost of requisitions recorded in the Logistic Intelligence File (LIF). NET REPS are the cost to the customer in the field and are calculated by applying an MSC-specific credit rate at the NSN level. NET TOTAL COSTS are the sums of the costs of CONS and NET REPS. NUMBER OF SYSTEMS is the density recorded in the Continuing Balance System - Expanded (CBS-X). AVG PER SYSTEM costs are calculated by dividing the costs in NET TOTAL COSTS by the number of systems in the Total Army for the fiscal year. Blank rows indicate system was not tracked in the OSMIS database during that fiscal year.

### AN/TTC-47



AN/TTC-47 FIVE YEAR TOTAL ARMY CLASS IX COSTS						
FISCAL YEAR	CONS	REPS	NET REPS	NET TOTAL COSTS	NUMBER OF SYSTEMS	AVG PER SYSTEM
FY 90						
FY 91						
FY 92						
FY 93						
FY 94	333,488	1,799,429	986,084	1,319,572	79	16,703

The Total Army Class IX costs from the previous pages are broken out by Work Breakdown Structure (WBS) in the following table. The FY 94 WBS Class IX costs for consumables (CONS) and reparables (REPS) are the total cost of requisitions recorded in the Logistic Intelligence File (LIF). The NET REPS are the cost to the customer in the field and are calculated by applying an MSC-specific credit rate at the NSN level. The TOTAL costs are a summation of all the WBS elements displayed in the table. NET TOTAL COSTS are the sum of the costs in CONS and NET REPS. NUMBER OF SYSTEMS is the density recorded in the Continuing Balance System-Expanded (CBS-X). AVG PER SYSTEM costs are calculated by dividing the costs in NET TOTAL COSTS column by the total number of systems in the Army.

AN/TTC-47							
FY 94 TOTAL ARMY WORK BREAKDOWN STRUCTURE COSTS							
WBS	NAME	CONS	REPS	NET REPS	NET TOTAL COSTS	NUM OF SYSTEMS	AVG PER SYSTEM
01	SENSORS	0	0	0	0	0	0
02	PROCESSING (ADPE)	2	1,282	702	704	79	9
03	COMMUNICATIONS	167,013	1,485,096	813,832	980,845	79	12,416
04	PERIPHERALS	7,951	130,107	71,296	79,247	79	1,003
05	ENVIRON SUPPORT	108,166	89,623	49,113	157,279	79	1,991
06	APPLICATIONS SFT	0	0	0	0	0	0
07	SYSTEM SOFTWARE	0	0	0	0	0	0
08	INT, ASSY, TEST, C/O	0	0	0	0	0	0
09	OTHER	50,356	93,321	51,141	101,497	79	1,285
	TOTAL	333,488	1,799,429	986,084	1,319,572	79	16,703

The following table displays FY 90-94 Class IX costs by Work Breakdown Structure (WBS) for the Total Army. NET TOTAL COSTS are summation for all the WBS elements displayed on the previous page and are a sum of the costs of CONS and NET REPS. NUMBER OF SYSTEMS is the density recorded in the Continuing Balance System-Expanded (CBS-X). AVG PER SYSTEM costs are calculated by dividing the costs in NET TOTAL COSTS by the total number of systems in the Army for the fiscal year. Blank columns indicate system was not tracked in the OSMIS database during that fiscal year.

<b>AN/TTC-47</b>						
<b>FIVE YEAR TOTAL ARMY WORK BREAKDOWN STRUCTURE COSTS</b>						
WBS	NAME	FY 90 NET TOTAL COSTS	FY 91 NET TOTAL COSTS	FY 92 NET TOTAL COSTS	FY 93 NET TOTAL COSTS	FY 94 NET TOTAL COSTS
01	SENSORS					0
02	PROCESSING (ADPE)					704
03	COMMUNICATIONS					980,845
04	PERIPHERALS					79,247
05	ENVIRON SUPPORT					157,279
06	APPLICATIONS					0
07	SYSTEM SOFTWARE					0
08	INT, ASSY, TEST, C/O					0
09	OTHER					101,497
	TOTAL					1,319,572
	NUM OF SYSTEMS					79
	AVG PER SYSTEM					16,703

**AN/TTC-47**  
**TOP 40 COST DRIVERS**  
**CLASS IX CONSUMABLES (NON-DLRs)**

	NSN	NOMENCLATURE	WBS	MRC	ARI	MATCAT	FY 94 AMDF UNIT PRICE	FY 94 QTY
1.	5805011202920	MASTER TIMING GENE	03J	F		G21RQ	1,074.00	34.20
2.	5995012972982	CABLE ASSEMBLY,SPEC	03J	F		G21RW	1,166.00	25.15
3.	6130011216546	POWER SUPPLY	05A	H		G21RQ	7,035.00	3.69
4.	4130010369101	COMPRESSOR UNIT,REF	05B	Z		J2200	2,041.40	7.23
5.	5955011518076	OSCILLATOR,CRYSTAL	03J	Z		Q2200	513.84	21.12
6.	5935011463413	CONNECTOR,PLUG,ELEC	03J	Z		G22RL	120.00	72.92
7.	7025013536827	KEYBOARD,DATA ENTRY	04F	Z		G22RW	1,073.00	7.41
8.	5995013112965	CABLE ASSEMBLY,SPEC	03J	F		G24RW	1,224.00	6.46
9.	6105001849059	MOTOR,ALTERNATING C	05A	Z		J2200	1,022.83	7.42
10.	6135010342239	BATTERY, NONRECHARG	09	Z		G22T7	43.35	164.18
11.	6105012658692	MOTOR,ALTERNATING C	05A	F		J2100	1,321.72	4.24
12.	6150008306663	WIRING HARNESS	09	Z		K22PJ	25.64	204.20
13.	6140000572553	BATTERY STORAGE	09	F		K21PU	47.22	109.11
14.	2590011317527	CAP,FILLER OPENING	05C	Z		J2200	40.86	114.00
15.	5825013430776	RECEIVER-TRANSMITTE	03E	Z		Q2200	667.52	6.95
16.	5340009365284	LEVER,MANUAL CONTRO	09	Z		T2200	21.79	170.61
17.	2530009676278	CONTROL ASSEMBLY,PU	05C	Z		J2200	13.31	273.02
18.	5998011469150	ELECTRONIC COMPONEN	03J	Z		Q2200	575.45	5.96
19.	6240001558717	LAMP,INCANDESCENT	09	Z		J2200	12.71	257.56
20.	5995012630114	CABLE ASSEMBLY,SPEC	03J	F		G21RW	149.00	21.00
21.	2540013257719	COVER,FITTED,VEHICU	05C	O		K21PH	135.00	20.47
22.	5995013141262	CABLE ASSEMBLY,POWE	03J	F		G21RW	473.00	5.71
23.	4140011598642	FAN,TUBEAXIAL	05B	Z		E2200	462.26	5.77
24.	5995013616683	CABLE ASSEMBLY,SPEC	03J	F		G24RW	455.00	5.75
25.	5340013482989	CATCH,CLAMPING	09	O		K21PH	178.00	14.16
26.	4030010446040	SHACKLE	09	Z		J2200	7.63	314.57
27.	5935010538909	CONNECTOR RECEPTAC	03J	Z		U22TS	15.47	150.24
28.	5945000077669	RELAY,ELECTROMAGNET	03J	Z		Q2200	201.18	11.42
29.	6150006934196	WIRING HARNESS	09	Z		K22PH	21.38	104.20
30.	5965011283944	HANDSET	03A	Z		Q2200	69.07	30.05
31.	5995010793719	CABLE ASSEMBLY,SPEC	03J	F		G21RQ	402.00	5.06
32.	2590011799080	STABILIZER KIT,REAR	05C	Z		J2200	50.08	38.22
33.	4120012520352	CONTROL MODULE ASSY	05B	O		J2100	812.41	2.32
34.	4140012630124	FAN,TUBEAXIAL	05B	Z		E2200	564.71	3.30
35.	5995012667304	CORD ASSEMBLY,ELECT	03J	Z		G22RW	143.00	12.82
36.	3110001004484	BEARING,ROLLER,TAPE	05G	Z		T2200	14.60	125.17
37.	2510006500998	RACK	05C	Z		J22PH	61.72	27.16
38.	2530007410465	BRAKE SHOE	05C	Z		J2200	48.11	33.64
39.	5995012670720	CABLE ASSEMBLY,SPEC	03J	F		G21RW	1,557.00	1.00
40.	6150008306672	CABLE ASSEMBLY,SPEC	09	Z		J2200	31.89	48.26

NUMBER OF SYSTEMS	79
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NOTE: ROWS MAY NOT CALCULATE DUE TO ROUNDING



**AN/TTC-47**  
**CONSUMABLES (NON-DLRs)**

EXTENDED COST (QTY * UNIT PRICE)	AVERAGE COST	AVERAGE QUANTITY	FY 90-94 FIVE YEAR AVERAGE	
	PER SYSTEM	PER 100 SYSTEMS	QTY	EXTENDED COST
36,731	464.95	43.2911		
29,325	371.20	31.8354		
25,960	328.61	4.6709		
14,760	186.84	9.1519		
10,853	137.38	26.7342		
8,751	110.77	92.3038		
7,951	100.65	9.3797		
7,907	100.09	8.1772		
7,589	96.06	9.3924		
7,116	90.08	207.8228		
5,605	70.95	5.3671		
5,235	66.27	258.4810		
5,153	65.23	138.1139		
4,658	58.96	144.3038		
4,638	58.71	8.7975		
3,718	47.06	215.9620		
3,633	45.99	345.5949		
3,430	43.42	7.5443		
3,274	41.44	326.0253		
3,129	39.61	26.5823		
2,764	34.99	25.9114		
2,702	34.20	7.2278		
2,668	33.77	7.3038		
2,616	33.11	7.2785		
2,520	31.90	17.9241		
2,401	30.39	398.1899		
2,325	29.43	190.1772		
2,297	29.08	14.4557		
2,228	28.20	131.8987		
2,076	26.28	38.0380		
2,034	25.75	6.4051		
1,914	24.23	48.3797		
1,885	23.86	2.9367		
1,863	23.58	4.1772		
1,833	23.20	16.2278		
1,827	23.13	158.4430		
1,676	21.22	34.3797		
1,619	20.49	42.5823		
1,557	19.71	1.2658		
1,539	19.48	61.0886		

241,760	72.5%	TOP 40
91,728	27.5%	OTHERS
=====		
333,488		

**AN/TTC-47**  
**TOP 40 COST DRIVERS**  
**CLASS IX REPARABLES (DLRs)**

	NSN	NOMENCLATURE	WBS	MRC	ARI	MATCAT	FY 94 AMDF UNIT PRICE		FY 94 QTY
							W/O CREDIT	W/CREDIT	
1.	5805011202929	POWER PROCESSOR	03J	H	E	G21RQ	4,858.00	2,662.18	42.60
2.	5835012030450	CARTRIDGE,MAGNETI	03J	H	C	G21RJ	401.00	219.75	469.20
3.	5805012525443	TERMINAL,TELEPHON	03J	D		G21RQ	38,603.00	21,154.44	2.79
4.	6130012529724	CHARGER,BATTERY	09	D	E	G21RW	8,259.00	4,525.93	10.89
5.	7025013396393	PRINTER,AUTOMATIC	04B	D	C	G21RW	3,921.00	2,148.71	21.92
6.	5999012183901	OSCILLATOR,FREQUE	03J	D	C	G21RQ	6,946.00	3,806.41	8.39
7.	5998013100363	CIRCUIT CARD ASSEM	03J	D	D	G24RQ	50,213.00	27,516.72	1.00
8.	5998013270255	CIRCUIT CARD ASSEM	03J	D	E	G24RW	6,214.00	3,405.27	7.90
9.	5835011255767	TRANSPORT,MAGNET	03J	D	C	G21RQ	23,983.00	13,142.68	1.95
10.	7025013444088	DISPLAY UNIT	04F	D	E	G23RW	5,535.00	3,033.18	7.53
11.	5820012620546	RX SIDEWALL ASSY	03E	D	C	G21RW	35,021.00	19,191.51	1.15
12.	5998012290693	CIRCUIT CARD ASSEM	03J	D	D	G21RQ	1,364.00	747.47	24.87
13.	5998011401312	CIRCUIT CARD ASSEM	03J	L	E	G21RY	2,270.00	1,243.96	13.60
14.	5805011301499	CONVERTER,DIRECT-I	03J	D		G21RQ	2,399.00	1,314.65	12.42
15.	5820012620545	TX SIDEWALL ASSY	03E	D	D	G21RW	20,815.00	11,406.62	1.39
16.	5835010983628	CARTRIDGE,MAGNETI	03J	H	E	G21RJ	401.00	219.75	67.96
17.	6130011202982	POWER SUPPLY	05A	D	R	G21RQ	3,162.00	1,732.78	8.50
18.	5998013257041	CIRCUIT CARD ASSEM	03J	D	E	G24RW	7,542.00	4,133.02	3.53
19.	5998013138909	CIRCUIT CARD ASSEM	03J	D	R	G24RQ	36,851.00	20,194.35	0.70
20.	5998013180658	CIRCUIT CARD ASSEM	03J	D		G24RQ	36,851.00	20,194.35	0.70
21.	5998013380574	CIRCUIT CARD ASSEM	03J	D		G21RW	1,592.00	872.42	15.94
22.	5998013138905	CIRCUIT CARD ASSEM	03J	D	D	G24RQ	8,829.00	4,838.29	2.66
23.	6130013251852	POWER SUPPLY ASSE	05A	D	E	G21RW	7,709.00	4,224.53	2.88
24.	6130012620587	POWER SUPPLY	05A	D	C	G21RW	9,032.00	4,949.54	2.33
25.	5998012290692	CIRCUIT CARD ASSEM	03J	D	E	G21RQ	1,990.00	1,090.52	10.31
26.	5998013692071	CIRCUIT CARD ASSEM	03J	D	E	G21RW	2,027.00	1,110.80	9.61
27.	5998012569498	CIRCUIT CARD ASSEM	03J	D	R	G21RW	2,720.00	1,490.56	7.00
28.	6130011062725	POWER SUPPLY	05A	D		G21RQ	4,430.00	2,427.64	4.20
29.	5998012290690	CIRCUIT CARD ASSEM	03J	D	C	G21RQ	1,043.00	571.56	16.11
30.	5985012620603	DIPLEXER	03C	D	D	G21RW	17,427.00	9,550.00	0.80
31.	5999013602619	CIRCUIT CARD ASSEM	03J	D	E	G21RW	3,355.00	1,838.54	4.00
32.	5998013257045	CIRCUIT CARD ASSEM	03J	D	E	G24RW	7,381.00	4,044.79	1.72
33.	5998012290702	CIRCUIT CARD ASSEM	03J	D		G21RQ	1,950.00	1,068.60	6.38
34.	5998013631870	CIRCUIT CARD ASSEM	03J	D	R	G21RW	8,559.00	4,690.33	1.30
35.	5999013180662	CIRCUIT CARD ASSEM	03J	D	R	G21RW	10,961.00	6,006.63	1.00
36.	5998011203212	CIRCUIT CARD ASSEM	03J	D	E	G21RQ	939.00	514.57	11.62
37.	5998012040388	CIRCUIT CARD ASSEM	03J	D		G21RQ	1,408.00	771.58	7.52
38.	5820012493951	AMPLIFIER,RADIO FRE	03E	D	D	G21RW	58,141.00	31,861.27	0.16
39.	5998013145449	CIRCUIT CARD ASSEM	03J	D	E	G21RQ	1,240.00	679.52	7.37
40.	5998013138908	CIRCUIT CARD ASSEM	03J	D	E	G24RQ	8,638.00	4,733.62	1.00

NUMBER OF SYSTEMS	79
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NOTE: ROWS MAY NOT CALCULATE DUE TO ROUNDING

**AN/TTC-47  
REPARABLES (DLRs)**

EXTENDED COST (W/CREDIT) (QTY * UNIT PRICE)	AVERAGE COST (W/CREDIT)	AVERAGE QUANTITY	FY 90-94 FIVE YEAR AVERAGE	
	PER SYSTEM	PER 100 SYSTEMS	QTY	EXTENDED COST (W/CREDIT)
113,410	1,435.57	53.9241		
103,107	1,305.15	593.9241		
59,021	747.10	3.5316		
49,288	623.90	13.7848		
47,099	596.19	27.7468		
31,936	404.25	10.6203		
27,517	348.32	1.2658		
26,901	340.52	10.0000		
25,628	324.41	2.4684		
22,839	289.10	9.5316		
22,071	279.38	1.4557		
18,590	235.32	31.4810		
16,917	214.14	17.2152		
16,329	206.70	15.7215		
15,855	200.70	1.7595		
14,934	189.04	86.0253		
14,728	186.43	10.7595		
14,589	184.67	4.4684		
14,136	178.94	0.8861		
14,136	178.94	0.8861		
13,906	176.03	20.1772		
12,870	162.91	3.3671		
12,167	154.01	3.6456		
11,532	145.97	2.9494		
11,243	142.32	13.0506		
10,674	135.11	12.1646		
10,434	132.08	8.8608		
10,196	129.06	5.3165		
9,208	116.56	20.3924		
7,641	96.72	1.0127		
7,354	93.09	5.0633		
6,957	88.06	2.1772		
6,818	86.30	8.0759		
6,097	77.18	1.6456		
6,007	76.04	1.2658		
5,979	75.68	14.7089		
5,802	73.44	9.5190		
5,098	64.53	0.2025		
5,008	63.39	9.3291		
4,734	59.92	1.2658		

838,756	85.1%	COST DRIVERS
147,328	14.9%	OTHERS
=====		
986,084		

The following table summarizes FY 94 Depot Maintenance Costs from the Master File Maintenance (MFM). Depot maintenance costs are displayed by cost elements for end item maintenance and secondary item maintenance. The OTHER cost columns represent work categories such as progressive maintenance, renovation, and fabrication/manufacture. For reporting purposes, TRANSPORTATION costs recorded in the World Aircraft Logistics Conference (WALC)/Special Aircraft Assignment Mission (SAAM) records are shown in the OTHER maintenance category.

AN/TTC-47							
FY 94 DEPOT MAINTENANCE COSTS							
COST ELEMENTS	END ITEM MAINTENANCE				SECONDARY ITEM MAINTENANCE		
	REPAIR	OVERHAUL	OTHER	MODIFICATION	REPAIR	OVERHAUL	OTHER
CIVILIAN LABOR	0	0	0	0	448	220,708	0
MILITARY LABOR	0	0	0	0	54	0	0
MATERIEL	0	0	0	0	311	38,115	0
TRANSPORTATION	0	0	0	0			
OVERHEAD	0	0	0	0	699	334,374	0
CONTRACT	0	0	0	0	0	0	0
OTHER	0	0	0	0	15	6,236	0
TOTAL	0	0	0	0	1,527	599,433	0
QTY COMPLETED	0	0	0	0	3	397	0
AVG COST	0	0	0	0	509	1,510	0

The table below summarizes FY 94 Intermediate Maintenance Costs from the Work Order Logistics File (WOLF) data. The labor hours and labor costs for Direct Support/General Support Intermediate Maintenance (DS/GS) and Civilian Maintenance are displayed by MACOM and Total Army. MACOM DS/GS LABOR COSTS are calculated by multiplying MACOM labor hours by the Army Manpower Cost System (AMCOS) E-5 composite standard rate (\$16.61). CIVILIAN LABOR COSTS are a summation from the source data.

AN/TTC-47					
FY 94 INTERMEDIATE MAINTENANCE COSTS					
MACOM	DS/GS LABOR HOURS	DS/GS LABOR COSTS	CIVILIAN LABOR HOURS*	CIVILIAN LABOR COSTS*	CIVILIAN LABOR COST/HOUR
FORSCOM	803	13,338	1,483	45,164	30.45
USAREUR	1,763	29,283			
EUSA	220	3,654			
USARPAC	112	1,860			
USARSO	0	0			
USASOC	0	0			
TRADOC	1	17	65	1,818	27.97
ARNG	121	2,010			
USAR	0	0			
TOTAL ARMY	3,020	50,162	1,548	46,982	30.35

\*TRADOC LABOR HOURS and LABOR COSTS include contractor hours and costs.

The following table summarizes FY 90-94 Depot Maintenance Costs. The depot maintenance data are recorded in MFM. FY 94 costs are a summation of the cost elements displayed on the previous page. END ITEM OVERHEAD costs were not separately identified prior to FY 92. TRANSPORTATION costs are recorded in the WALC/SAAM records. Blank columns indicate system was not tracked in the OSMIS database during that fiscal year.

AN/TTC-47										
FIVE YEAR DEPOT MAINTENANCE COSTS										
COST ELEMENTS	END ITEM MAINTENANCE					SECONDARY ITEM MAINTENANCE				
	FY 90	FY 91	FY 92	FY 93	FY 94	FY 90	FY 91	FY 92	FY 93	FY 94
CIVILIAN LABOR					0					221,156
MILITARY LABOR					0					54
MATERIEL					0					38,426
TRANSPORTATION					0					
OVERHEAD					0					335,073
CONTRACT					0					0
OTHER					0					6,251
TOTAL					0					600,960
QTY COMPLETED					0					400
AVG COST					0					1,502

The table below summarizes FY 90-94 Intermediate Maintenance Costs from WOLF. The fiscal year total costs for Direct/General Support Intermediate Maintenance (DS/GS) and Civilian Maintenance are displayed by MACOM and Total Army. MACOM DS/GS labor costs are calculated by multiplying MACOM labor hours by the Army Manpower Cost System (AMCOS) E-5 composite standard rate. DS/GS COST PER HR is the E-5 composite standard rate in FY 94 constant dollars. CIVILIAN LABOR COSTS are a summation from the source data. Blank columns indicate system was not tracked in the OSMIS database during that fiscal year.

AN/TTC-47										
FIVE YEAR INTERMEDIATE MAINTENANCE COSTS										
MACOM	DIRECT/GENERAL SUPPORT INTERMEDIATE MAINTENANCE (DS/GS)					CIVILIAN MAINTENANCE (CIV)				
	FY 90	FY 91	FY 92	FY 93	FY 94	FY 90	FY 91	FY 92	FY 93	FY 94
FORSCOM					13,338					45,164
USAREUR					29,283					
EUSA					3,654					
USARPAC					1,860					
USARSO					0					
USASOC					0					
TRADOC					17					1,818
ARNG					2,010					
USAR					0					
TOTAL ARMY					50,162					46,982
LABOR HRS					3,020					1,548
COST PER HR					16.61					30.35

The following list shows the FY 94 Secondary Item - Rebuilds/Overhauls Cost Drivers recorded in the MFM. AVG COST TO REBUILD/OVERHAUL is calculated by dividing the costs in FY 94 TOTAL COST TO REBUILD/OVERHAUL by FY 94 QTY COMPLETED.

AN/TTC-47					
FY 94 DEPOT SECONDARY ITEM MAINTENANCE - REBUILDS/OVERHAULS					
COST DRIVERS					
NSN	NOMENCLATURE	FY 94 AMDF PRICE	FY 94 TOTAL COST TO REBUILD/ OVERHAUL	FY 94 QTY COMPLETED	AVG COST TO REBUILD/ OVERHAUL
5805-01-120-2929	POWER PROCESSOR	4,858	428,124	103	4,157
5835-01-125-5767	TRANSPORT,MAGNET	23,983	84,634	14	6,045
5995-01-121-6623	CABLE ASSEMBLY S	1,298	44,369	67	662
5835-01-098-3628	CARTRIDGE,MAGNET	401	36,247	186	195
5998-01-120-3212	CIRCUIT CARD ASS	939	4,306	10	431
6130-01-139-2514	POWER SUPPLY: PP	1,131	1,753	17	103

The following list shows the FY 94 Secondary Item Maintenance - Repairs Cost Drivers recorded in MFM. AVG COST TO REPAIR is calculated by dividing the costs in FY 94 TOTAL COST TO REPAIR by FY 94 QTY COMPLETED.

AN/TTC-47					
FY 94 DEPOT SECONDARY ITEM MAINTENANCE - REPAIRS					
COST DRIVERS					
NSN	NOMENCLATURE	FY 94 AMDF PRICE	FY 94 TOTAL COST TO REPAIR	FY 94 QTY COMPLETED	AVG COST TO REPAIR
5810-00-434-3644	SPEECH SECURITY	1,930	1,527	3	509

The following list shows the FY 90-94 Secondary Item - Rebuild/Overhauls Cost Drivers recorded in MFM. These five year Cost Drivers were revised from previous years' reports, see Appendix A, Section 13 for further explanation. AVG COST TO REBUILD/OVERHAUL is calculated by dividing the costs in FY 90-94 TOTAL COST TO REBUILD/OVERHAUL by FY 90 -94 QTY COMPLETED.

AN/TTC-47 FIVE YEAR DEPOT SECONDARY ITEM MAINTENANCE - REBUILDS/OVERHAULS COST DRIVERS					
NSN	NOMENCLATURE	FY 94 AMDF PRICE	FY 90-94 TOTAL COST TO REBUILD/ OVERHAUL	FY 90-94 QTY COMPLETED	AVG COST TO REBUILD/ OVERHAUL
5805-01-120-2929	POWER PROCESSOR	4,858	428,124	103	4,157
5835-01-125-5767	TRANSPORT,MAGNET	23,983	84,634	14	6,045
5995-01-121-6623	CABLE ASSEMBLY S	1,298	44,369	67	662
5835-01-098-3628	CARTRIDGE,MAGNET	401	36,247	186	195
5998-01-120-3212	CIRCUIT CARD ASS	939	4,306	10	431
6130-01-139-2514	POWER SUPPLY: PP	1,131	1,753	17	103

The following list shows the FY 90-94 Secondary Item - Repairs Cost Drivers recorded in MFM. These five year Cost Drivers were revised from previous years' reports, see Appendix A, Section 13 for further explanation. AVG COST TO REPAIR is calculated by dividing the costs in FY 90-94 TOTAL COST TO REPAIR by FY 90-94 QTY COMPLETED.

AN/TTC-47 FIVE YEAR DEPOT SECONDARY ITEM MAINTENANCE - REPAIRS COST DRIVERS					
NSN	NOMENCLATURE	FY 94 AMDF PRICE	FY 90-94 TOTAL COST TO REPAIR	FY 90-94 QTY COMPLETED	AVG COST TO REPAIR
5810-00-434-3644	SPEECH SECURITY	1,930	1,527	3	509

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